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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/065,838	11/25/2002	William R. Andersen	FIS920010397	9704	
23550 75	590 03/29/2004		EXAM	EXAMINER	
HOFFMAN WARNICK & D'ALESSANDRO, LLC LE, THONG QUOC			IG QUOC		
3 E-COMM SO	OUARE				
ALBANY, NY			ART UNIT	PAPER NUMBER	
·			2818		
			DATE MAILED: 03/29/200-	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/065,838	ANDERSEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Thong Q. Le	2818				
The MAILING DATE of this communicati Period for Reply	ion appears on the cover sheet w	ith the correspondence addres	is			
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATORY STATES OF THIS COMMUNICATORY (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) dayon of the period for reply is specified above, the maximum statutory of the period for reply within the set or extended period for reply will, the Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a stion. ys, a reply within the statutory minimum of thi y period will apply and will expire SIX (6) MO by statute, cause the application to become A	reply be timely filed rly (30) days will be considered timely. NTHS from the mailing date of this communion BANDONED (35 U.S.C. § 133).	nication.			
Status						
1) Responsive to communication(s) filed or	n					
2a) This action is FINAL . 2b)	☑ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-18 is/are pending in the applitude 4a) Of the above claim(s) is/are we 5) Claim(s) is/are allowed. 6) Claim(s) 1-4,10-12,17-19 is/are rejected 7) Claim(s) 5-9 and 13-16 is/are objected to 8) Claim(s) are subject to restriction	rithdrawn from consideration o.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
0) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority documents of the priority documents of the priority documents of the certified copies of the application from the International I	uments have been received. uments have been received in A le priority documents have beer Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stag	ge			
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-9) Information Disclosure Statement(s) (PTO-1449 or PTO-Paper No(s)/Mail Date 	948) Paper No	Summary (PTO-413) s)/Mail Date informal Patent Application (PTO-152))			

DETAILED ACTION

- 1. Amendment filed on February 23, 2004 has been entered.
- 2. Claims 1-19 are presented for examination.

Response to Arguments

3. Applicant's arguments with respect to claims 1-19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

5. Claims 1-4, 10-12, 17-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Jiang et al. (Pub. U.S. Patent No. 2003/0145178).

Regarding claims 1,11, Jiang et al. disclose an apparatus (Figure 1) for reading out multiple match hits from a content addressable memory (CAM), comprising:

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a priority encoder (Figure 1, Priority Encoder) for receiving a plurality of match lines from a CAM (ML) and for sequentially encoding addresses (Column 1, paragraph 0013) of the CAM that are associated with the matchlines that indicate a match (MA), and

a matchline mask system (Figure 4, Final Unit) for selectively masking off a matchline that indicates a match from the priority encoder after the address associated with that matchline is encoded by the priority encoder.

Regarding claim 2, Jiang et al. disclose wherein the matchline mask system comprises a plurality of matchline mask units, wherein each matchline passes through a corresponding one of the matchline mask units (Figure 2, Tier).

Regarding claims 3, 12, Jiang et al. disclose a decoder (Figure 1, 112) system for selecting the matchline mask unit corresponding to the encoded address output by the priority encoder (Figure 3, Column 2, paragraph 0026-0027).

Regarding claim 4, Jiang et al. disclose a plurality of decoders (Figure 1, detection circuit), wherein each decoder is associated with one of the matchline mask units (Figure 1).

Regarding claims 17-19, the apparatus discussed above, and Figures 1-4 would perform the method in claims 17-19.

Allowable Subject Matter

6. Claims 5-9, 13-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 5-9, 13-16 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Jiang et al. (Pub. U.S. Patent No. 2003/0145178), and others, does not teach the claimed invention having a mask unit comprises a flip-flop having an output and set input for receiving a mask off signal from the decoder system, and a match counter for providing a current match count and a no match flag.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Thong Q. Le

Primary Examiner
Art Unit 2818

THONG LET.
PRIMARY EXAMINED